

GO recognizes the decisions we make today will have a major impact on the world we live in tomorrow. Changing attitudes and shifting mindsets are putting the environment at the forefront of GO's plans – both today and in the future.

Transit is a clean, sustainable transportation option and GO believes the environment should be a key consideration for future growth strategies and development. Going green is just one of the many ways GO Transit is leading the way, both in the transportation industry and in the eyes of its customers.

## ENVIRONMENTALLY SPEAKING

During rush hour, the average Toronto-area car carries about 1.15 people. One 10-car GO Train carries about the same number of people as 1,400 cars, one 12-car train takes about 1,670 cars off the road, and one GO Bus can replace around 50 cars.

In just one hour on a typical weekday morning, some 45,000 passengers arrive at Toronto's Union Station by GO Train — if all those people drove instead of taking transit, the GTA would need to build four more Gardiner Expressways and four new Don Valley Parkways to accommodate that amount of traffic.

Bike racks are available on all GO Buses, and passengers traveling outside of rush hour can bring bikes on GO Trains. Each week, GO Buses carry approximately 130 bikes on their racks. Many stations already feature bicycle storage areas or lockers, providing another way for customers to get to their station.

## EQUIPMENT

### MP40 LOCOMOTIVES

The new MP40 locomotives were built specific to GO's needs, and are not only more fuel-efficient, but are also more powerful. The increased power means two more passenger coaches can be added to each train, accommodating 300 extra passengers per trip and taking more cars off the road. The MP40 uses the cleanest diesel technology and diesel fuel available, meeting the most recent environmental protection standards for emissions. All of GO's fleet is now pulled by MP40 locomotives.

### ADL ENVIRO 500 DOUBLE-DECKER BUSES

These fully accessible buses have one of the most environmentally-friendly bus engines on the market, use the latest technology and meet environmental protection standards for lower emission output. Each double-decker bus can seat 78 passengers, increasing the number of passengers GO can transport by 37% (21 more riders) compared to a single-level bus. This reduces the level of emissions per passenger carried.

### MCI D4500 HIGHWAY BUSES

These buses mark a major milestone in GO's ongoing stewardship of environmentally-friendlier transportation options. In comparison to engine technology of just a few years ago, tailpipe emissions from the newest buses are hundreds of times less harmful to the environment and meet the latest environmental protection standards for emissions. GO continues to be committed to researching improved engine technologies and alternative fuel solutions, and is currently testing a hybrid diesel electric model of the MCI D4500 bus.



# QUICKFACTS GO Green Initiatives

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## FACILITIES

### STREETSVILLE GO BUS FACILITY

In February 2009, GO Transit opened a new, environmentally-friendly, state-of-the-art bus facility in Streetsville. The Streetsville GO Bus facility is built to silver LEED (Leadership in Energy and Environmental Design) specifications. It balances human and environmental health, and takes sustainable site development, water efficiency, energy efficiency, material selection and indoor environmental quality all into consideration.

### HALTON HILLS & BRAMPTON GO BUS FACILITIES

In December 2010, GO Transit opened two new bus facilities in Halton Hills and Brampton. The buildings were designed and constructed to achieve LEED Silver certification, which reflects GO's strong commitment to the environment and well-being of its employees. Each facility is designed to use 40% less energy than the standard energy code.



### LISGAR GO STATION WIND TURBINE

GO Transit has an EW50 wind turbine at Lisgar GO Station. This investment in energy-producing technology is a first for GO. The turbine can produce about 50 kilowatts of power in winds of 11.3 m/s (25.3 mph) and could generate about 80% of Lisgar GO Station's power (on average, based on projections).

## STATION ACCESS STRATEGY

GO has adopted a station access strategy which has the goal of encouraging customers to get to and from GO stations on foot, by bicycle or on local transit. GO's objective is to reduce the number of cars parked at stations and limit the need to keep expanding parking lots.



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